2009

POWER CONVERSION
PRODUCT GUIDE

Inverter-Chargers

Pure Sine Wave Inverters

Modified Sine Wave Inverters

Solar Charge Controllers

DC Battery Chargers

DC-DC Converters

1-800-561-5885
www.samlexsolar.com

2009

SAMLEX SOLAR®

Mission Statement

To develop enduring relationships with our customers by providing innovative power conversion products supported by personal customer service.

About Samlex

Samlex America has manufactured and distributed power supply products to more than 90 countries worldwide since 1991. Innovative product designs, strict quality control, and responsible after sales service provide customers with high quality power conversion products at extremely competitive prices.

Samlex Solar is our brand to represent the renewable energy products including inverters, battery chargers, charge controllers, dc-dc converters and solar panels. Please visit as at www.samlexsolar.com.

Established in 1991, Samlex has been providing alternative energy products to clients in Canada, USA, South America and Europe. Samlex products are widely used in off-grid, commercial and residential solar electric installations along with mobile applications requiring alternative energy power systems.

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Pure Sine Wave with Solar Charger

"TN" Series

Pure Sine Wave Inverter with built-in Solar Charge Controller, AC charger & Transfer Relay for UPS function.

Features:

- *True sine wave output (THD<3%)*
- *User selectable: 100V/110V/115V/120V*
- *User selectable: Energy Saving or UPS Mode*
- *Power ON-OFF switch*
- *LED indicator for operation status*
- *Thermostatically controlled cooling fan*
- *Optional monitoring software*
- *2 years warranty*

Protections:

- *Battery low alarm*
- *Batery low shutdown*
- *Over temperature*
- *Output short circuit*
- *Input reverse polarity*
- *Overload*

Applications:

- *Solar power systems*
- *Home appliance*
- *Power tools*
- *Office and portable equipment*
- *Automotive & marine, etc.*

12 Volt

Model	Input	Output	Watts
TN-1500-112F	12 VDC	120 V *	1500

* User selectable

24 Volt

Model	Input	Output	Watts
TN-1500-124F	24 VDC	120 V *	1500

* User selectable

Pure Sine Wave with Battery Charger

"INVERCHARGE" Series

The INVERCHARGE pure sine wave Inverter-Charger is a heavy-duty inverter generating a pure sinusoidal wave from a 12/24 V battery bank with built-in AC charger & Transfer Relay for UPS function.

Features:

- *Pure sine wave output*
- *Heavy duty inverter with high power battery charger included*
- *Ajustable battery charging current*
- *Highly efficient operation, high surge capacity and low idle current*
- *Seamless transfer (grid / generator to battery and battery to grid / generator)*
- *Power Save Mode*
- *Long backup time based on the battery bank and loads*

12 Volt

Model	Input	Output	Watts*
S-1012A	12 VDC	115 VAC	1000
S-2012A	12 VDC	115 VAC	2000

* At Power Factor = 1

24 Volt

Model	Input	Output	Watts*
S-1024A	24 VDC	115 VAC	1000
S-2024A	24 VDC	115 VAC	2000
S-3024A	24 VDC	115 VAC	3000

* At Power Factor = 1

UL Pending — 230 VAC by special order

Modified Sine Wave with UPS

"VRC" Series

12 Volt

Model	Input	Output	Watts*
SI-A1-VR600C	12 VDC	115 VAC	600
SI-A1-VR1000C	12 VDC	115 VAC	1000
SI-A1-VR1500C	12 VDC	115 VAC	1500
SI-A1-VR2000C	12 VDC	115 VAC	2000
SI-A1-VR3000C	12 VDC	115 VAC	3000

* At Power Factor = 1

24 Volt

Model	Input	Output	Watts*
SI-A1-VR600C	24 VDC	115 VAC	600
SI-A1-VR1000C	24 VDC	115 VAC	1000
SI-A1-VR1500C	24 VDC	115 VAC	1500
SI-A1-VR2000C	24 VDC	115 VAC	2000
SI-A1-VR3000C	24 VDC	115 VAC	3000

* At Power Factor = 1

Pure Sine Wave — Light Duty

Commercial

12 Volt

Model	Input	Output	Watts*
PST-15S-12A	12 VDC	120 VAC	150 - 300
PST-30S-12A	12 VDC	120 VAC	300 - 500
PST-60S-12A	12 VDC	120 VAC	600 - 1000
PST-100S-12A	12 VDC	120 VAC	1000 - 2000
PST-150S-12A	12 VDC	120 VAC	1500 - 3000
PST-200S-12A	12 VDC	120 VAC	2000 - 4000

* Continuous - Surface (At Power Factor = 1); Surge duration < 1 sec

24 Volt

Model	Input	Output	Watts*
PST-15S-24A	24 VDC	120 VAC	150 - 300
PST-30S-24A	24 VDC	120 VAC	300 - 500
PST-60S-24A	24 VDC	120 VAC	600 - 1000
PST-100S-24A	24 VDC	120 VAC	1000 - 2000
PST-150S-24A	24 VDC	120 VAC	1500 - 3000
PST-200S-24A	24 VDC	120 VAC	2000 - 4000

* Continuous - Surface (At Power Factor = 1); Surge duration < 1 sec

Select models available in 220VAC Output

Pure Sine Wave — Heavy Duty

"SK" Series Industrial

12 Volt

Model	Input	Output	Watts*
SK350-112	12 VDC	120 VAC	350 - 700
SK700-112	12 VDC	120 VAC	700 - 1200
SK1000-112	12 VDC	120 VAC	1000 - 2000
SK1500-112	12 VDC	120 VAC	1500 - 3000
SK2000-112	12 VDC	120 VAC	2000 - 4000
SK3000-112	12 V DC	120 VAC	3000 - 6000

* Continuous - Surface (At Power Factor = 1); Surge duration < 1 sec

Select models available in 220VAC Output
Select models available in 48VDC Input

24 Volt

Model	Input	Output	Watts*
SK700-124	24 VDC	120 VAC	700 - 1200
SK1000-124	24 VDC	120 VAC	1000 - 2000
SK1500-124	24 VDC	120 VAC	1500 - 3000
SK2000-124	24 VDC	120 VAC	2000 - 4000
SK3000-124	24 VDC	120 VAC	3000 - 6000

* Continuous - Surface (At Power Factor = 1); Surge duration < 1 sec

Select models available in 220VAC Output
Select models available in 48VDC Input

Pure Sine Wave — Heavy Duty

"S" Series Industrial

12 Volt

Model	Input	Output	Watts*
S150-112	12 VDC	120 VAC	150 - 200
S300-112	12 VDC	120 VAC	300 - 400
S600-112	12 VDC	120 VAC	600 - 800
S1500-112	12 VDC	120 VAC	1500 - 2000

* Continuous - Surface (At Power Factor = 1); Surge duration < 1 sec

24 Volt

Model	Input	Output	Watts*
S150-124	24 VDC	120 VAC	150 - 200
S300-124	24 VDC	120 VAC	300 - 400
S600-124	24 VDC	120 VAC	600 - 800
S1500-124	24 VDC	120 VAC	1500 - 2000

* Continuous - Surface (At Power Factor = 1); Surge duration < 1 sec

Select models available in 220VAC Output
Select models available in 48VDC Input

Pure Sine Wave — Rackmount

"SR" Series Industrial

24, 48 Volt

Model	Input	Output	Watts*
SR1000-124	24 VDC	120 VAC	1000
SR1000-148	48 VDC	120 VAC	1000

* Continuous - Surface (At Power Factor = 1); Surge duration < 1 sec

Pure Sine Wave — with Transfer Switch

"ST" Series Industrial

12 Volt

Model	Input	Output	Watts*
ST1000-112	12 VDC	120 VAC	1000 - 2000
ST1500-112	12 VDC	120 VAC	1500 - 3000
ST2000-112	12 VDC	120 VAC	2000 - 4000
ST2500-112	12 VDC	120 VAC	2500 - 5000

* Continuous - Surface (At Power Factor = 1); Surge duration < 1 sec

24 Volt

Model	Input	Output	Watts*
ST1000-124	24 VDC	120 VAC	1000 - 2000
ST1500-124	24 VDC	120 VAC	1500 - 3000
ST2000-124	24 VDC	120 VAC	2000 - 4000
ST2500-124	24 VDC	120 VAC	2500 - 5000

* Continuous - Surface (At Power Factor = 1); Surge duration < 1 sec

Select models available in 220VAC Output
Select models available in 48VDC Input

1000 Watt = 16A txfr switch / 1500 Watt = 25A txfr switch / 2000 & 2500 Watt = 35A txfr switch

Pure Sine Wave — Grid Tie

"Soleil" Series

Soleil Series - the best performing Grid-tie PV inverters on the market at a great price for simple & highly reliable Grid-connected Photovoltaic installations.

The Soleil Series Grid Tie PV inverters come with the latest DSP-based power conversion technology for MPPT operation, high power factor, low distortion, and high efficiency.

UL 1741 certified and CEC approved

Features:

Quiet, efficient operation, utilizing high frequency solid-state design
Standard Grid-Connected PV Inverter
Anti-Islanding protection
DSP-controlled for smart MPPT operation
2 Line Front panel LCD display shows system status and power production information
RS-232 interface for remote power monitoring
Boost converter for wide DC voltage
Small light weight compact design

Applications:

Grid-connected Photovoltaic Systems

24 Volt

Model	Input	Output	Watts
Soleil 2000-120	240 VDC	120 VAC	2000

Model	Input	Output	Watts
Soleil 4000-240	380 VDC	240 VAC	4000

Modified Sine Wave

"SI" Series

SI Series modified sine-wave inverters convert 12 Volts DC to AC power at 115 Volts, 60 Hz.

Features:

Switch mode design
High efficiency
Modified sine wave output voltage
12 VDC input and 115 VAC output
Overload protection
High output current surge
Low battery alarm / shut down
Low idle power draw
Cigar lighter input connector
Compact and light weight

Applications:

Solar power systems
Service vehicles, Mobile Offices
Boats, Recreational Vehicles, Camping
Telecommunication
Field work / Construction sites
Emergency backup power, Tools and appliances
Home electronics: TV, VCR, video games
Computers, printers, monitors, fax machines

12 Volt

Model	Input	Output	Watts*
SI-175HP	12 VDC	115 VAC	175 - 350
SI-400HP	12 VDC	115 VAC	400 - 800
SI-750HP	12 VDC	115 VAC	750 - 1500

* Continuous - Surge (At Power Factor = 1); Surge duration < 1 sec

Modified Sine Wave

"PSE" Series

PSE Series modified sine-wave inverters convert 12 or 24 Volts DC to AC power at 120 Volts, 60 Hz.

12, 24 Volt

Model	Input	Output	Watts*
PSE-12125A	12 VDC	120 VAC	1250 - 2500
PSE-12175A	12 VDC	120 VAC	1750 - 3500
PSE-12275A	12 VDC	120 VAC	2750 - 4500
PSE-24125A	24 VDC	120 VAC	1250 - 2500
PSE-24175A	24 VDC	120 VAC	1750 - 3500
PSE-24275A	24 VDC	120 VAC	2750 - 4500

* Continuous - Surge (At Power Factor = 1); Surge duration < 1 sec
Select models available in 220VAC Output

Modified Sine Wave

VR Series modified sine-wave inverters convert 12 or 24 Volts DC to AC power at 115 Volts, 60 Hz.

"VR" Series

12 Volt

Model	Input	Output	Watts*
SI-A1-VR175	12 VDC	115 VAC	175
SI-A1-VR400	12 VDC	115 VAC	400
SI-A1-VR800	12 VDC	115 VAC	800
SI-A1-VR1000	12 VDC	115 VAC	1000
SI-A1-VR1500	12 VDC	115 VAC	1500
SI-A1-VR2000	12 VDC	115 VAC	2000
SI-A1-VR3000	12 VDC	115 VAC	3000

* At Power Factor = 1
Select models available in 230VAC Output

Off Grid Solar — 10 ~ 30 Amps

Steca "Solarix PRS" Series

Solarix PRS is a high performance solar charge controller with modern design and a convenient display, all at an extremely attractive price.

Features:

Low-loss series controller
PWM-controlled constant-voltage charging
Battery charging with automatic charging mode selection (float, boost, equalisation)
Recognises and carries out a maintenance charge (boost charge every 30 days if idle)
Automatic voltage selection (12 V / 24 V)
Current-dependent load deactivation
Automatic load reactivation
Temperature compensation
Grounding on the positive side
Integrated self test (start voltage 17.0 V)
Made in Germany (development and production)

Applications:

Solar home systems
Recreational vehicles

12 / 24 Volt

Model	Input	Input	Output
Solarix PRS 1010	12/24VDC	10A	10 A
Solarix PRS 1515	12/24VDC	15A	15 A
Solarix PRS 2020	12/24VDC	20A	20 A
Solarix PRS 3030	12/24VDC	30A	30 A

Off Grid Solar — 10 ~ 30 Amps

Steca "PR" Series

PR series upgrades the Steca Solarix series by a customer designed LCD which shows the accurate state of charge (SOC) in percent and as battery gauge symbol.

Features:

PWM shunt battery charging
State of charge (SOC) battery regulation
Built in Ah counter
Battery charging with automatic charging mode selection (float, boost, equalisation)
Automatic load reconnection
Manual load switch
Automatic voltage selection (12 V / 24 V)
Temperature compensation
Positive grounding
(or) negative grounding on one terminal
Field adjustable parameters by two buttons
Lighting control options during nighttime
Interface to prepayment unit

Applications:

Solar home systems
Recreational vehicles

12 / 24 Volt

Model	Input	Input	Output
PR 1010	12/24VDC	10A	10 A
PR 1515	12/24VDC	15A	15 A
PR 2020	12/24VDC	20A	20 A
PR 3030	12/24VDC	30A	30 A

Off Grid Solar — 5 ~ 10 Amps

Steca "Solsum" Series

The Solsum F series advantages are large connection terminals, fully covered PCB and a easy to understand display.

Features:

Voltage regulation
PWM Series battery charging
Boost charging
Float charging
Automatic load reconnection
Automatic voltage selection (12 V / 24 V)
Temperature compensation
Positive grounding
(or) negative grounding on one terminal

Applications:

Solar home systems
Recreational vehicles

12 / 24 Volt

Model	Input	Input	Output
Solsum 5.0f	12/24VDC	5A	5 A
Solsum 8.0f	12/24VDC	8A	8 A
Solsum 6.6f	12/24VDC	6A	6 A
Solsum 8.8f	12/24VDC	8A	8 A
Solsum 10.10f	12/24VDC	10A	10 A

Off Grid Solar — 20 Amps

Steca "MPPT" Series

The new Steca solar charge controller Solarix MPPT is a maximum power point tracker to optimally charge batteries. It is specially designed to connect PV-modules which are used in grid-connected systems. It is a simple and reliable device providing maximum flexibility in module configuration and even allows the use of thin film modules.
The latest technology guarantees professional battery care combined with modern design and outstanding protection features.

Features:

Maximum power point tracker (MPP controller)
Voltage and current regulation
Serial PWM control
Current compensated load disconnection
Automatic load reconnection
Temperature compensation
Night light function with Steca PA RC100

Applications:

Solar home systems
High power rural electrification projects
Telecommunications
Recreation vehicles (RVs)

12 / 24 Volt

Model	Input	Charge	Load
MPPT 2010	12/24 VDC	20 A	10 A

Off Grid Solar — 40 Amps

Steca "Solarix" Series

The Steca Solarix 4401 controller completes the product range of the Solarix Omega 30 Amps controller to 40 Amps solar current, available in 48 V. The load current is limited to 10 Amps.
The charging procedures are based on voltage levels which can be individually adjusted by four buttons behind the front cover.

Features:

- *Voltage regulation*
- *PWM shunt battery charging*
- *Boost charging*
- *Equalisation charge*
- *Float charging*
- *Automatic load reconnection*
- *Temperature compensation*
- *Positive grounding*
- *(or) negative grounding on one terminal*
- *Field adjustable parameters by four buttons*
- *RJ45 interface*

Applications:

- *Solar home systems*
- *Telecommunications*
- *Recreational vehicles*

48 Volt

Model	Input	Input	Output
Solarix 4401	48 VDC	40A	10 A

Telecom & Hybrid — 40 Amps

Steca "Tarom" Series

The Steca Tarom is the high end solar charge controller optimally designed for demanding telecom applications and complex off-grid PV hybrid system architectures. A huge variety of exciting features allows the user to adapt this controller to the special needs of the specific installation.

Features:

- *PWM shunt battery charging*
- *State of charge (SOC) battery regulation*
- *Energy management for hybrid systems*
- *Built in Ah counter*
- *Boost charging*
- *Equalisation charge*
- *Float charging*
- *Automatic load reconnection*
- *Temperature compensation*
- *Positive grounding (or)*
- *negative grounding on one terminal*
- *Field adjustable parameters by four buttons*
- *Lighting control options during nighttime*
- *RJ45 interface*
- *Manual load disconnect*

Applications:

- *Solar home systems*
- *Rural electrification*
- *Telecommunications*
- *Recreational vehicles*

48 Volt

Model	Input	Input	Output
Tarom 440	48 VDC	40A	40 A

Voltage Regulator

Protects household appliances and equipment from damage caused by excessive voltage fluctuation. Designed for private and commercial applications.

Model	Input	Output	Wt	Dim
SEC-400	85-135 VAC	115 VAC	6 lb	3.3 x 7.3 x 8"

Wall Adapter

Ideal for cigarette lighter adapters for cell phones, ipods & pdas. Perfect for the home or cottage.

Model	Input	Output	Wt	Dim
FCP-1000	120 VAC	12 VDC	1 lb	2.3 x 2.8 x 4.3"

Inverter Remote Controls

Used to turn on/off the inverter from a distance.

Model	Spec
CR-5	Used with S1500 Series, Pure Sine Wave inverters.
CR-8	Used with SK (700+) Series, ST Series Pure SIne Wave inverters
RC-15	Used with The PSE and PST Series inverters
IRM-01	Used with Invercharge Series S-2012 & S-3024

Battery Charger Remote Control

Used to turn on/off the charger from a distance.

Model	Spec
RC-900	Used with SEC-1245 & SEC-2425 Chargers

3 Stage Automatic Chargers

Fully automatic chargers which are adjustable for two or three stage charging. Safe for Lead Acid, GEL or AGM type batteries.

Model	Input	Output	Amps
SEC-1215A	98-132 VAC	13.5 VDC	15 A
SEC-1230A	98-132 VAC	13.5 VDC	30 A
SEC-2415A	98-132 VAC	27.4 VDC	15 A
SEC-1260A	98-132 VAC	13.5 VDC	60 A
SEC-1280A	98-132 VAC	13.5 VDC	80 A
	32 VAC	27.4 VDC	40 A

Fully automatic chargers useful for two or three stage charging. Safe for Lead Acid, GEL or AGM type batteries.

Model	Input	Output	Amps
SEC-1245A	98-132 VAC	13.5 VDC	45 A
SEC-2425A	98-132 VAC	27.4 VDC	25 A

3 Stage with Power Factor Correction

Fully automatic, three stage chargers designed for use with sealed lead acid batteries.

Model	Input	Output	Amps
BP-1205	100-240VAC	14.4 VDC	5 A
BP-1210	100-240VAC	14.4 VDC	10 A
BP-2403	100-240VAC	28.8 VDC	2.5 A
BP-2405	100-240VAC	28.8 VDC	5 A

3 Stage Microprocessor controlled

"PB" Series

Fully automatic, multi stage chargers with built-in passive PFC function. AC 90-132VAC/180-264VAC selected by switch. Designed for use with lead acid batteries.

Model	Input	Output	Amps
PB-300-12	115/230 VAC	14.4VDC	20.85A
PB-300-12	115/230 VAC	28.8VDC	10.5A
PB-300-12	115/230 VAC	57.6VDC	5.3A
PB-360P-12	115/230 VAC	14.4VDC	24.3A
PB-360P-12	115/230 VAC	28.8VDC	12.5A
PB-360P-12	115/230 VAC	57.6VDC	6.25A
PB-1000-12	115/230 VAC	14.4VDC	60A
PB-1000-12	115/230 VAC	28.8VDC	34.7A
PB-1000-12	115/230 VAC	57.6VDC	17.4A

Battery Back Up Accessories

Battery back-up modules designed for use with any 12V or 24V Power supply to create UPS functionality.

Model	Input	Output, Load	Charging
BBM-1225	12 or 24 VDC Up to 25 A	12 VDC @ 21A 24 VDC @ 17 A	12 VDC @ 4 A 24 VDC @ 8 A
BBM-12100	12 or 24 VDC Up to 100 A	12 VDC @ 95 A 24 VDC @ 90 A	12 VDC @ 5 A 24 VDC @ 10 A

Battery Guard Low/High Volt Disconnect

Prevents excessive discharge of batteries where DC accessories are in use. Fully programmable & microprocessor controlled.

Model	Input	Amps
BG-40	8 - 35 VDC	40 A
BG-60	8 - 35 VDC	60 A
BG-200	8 - 35 VDC	200 A

Battery Separator Microprocessor controlled

For situations where 2 batteries are being used. Allow connection of batteries in parallel for charging. Provides priority for charging only the starter battery first. Prevents excessive discharging of the starter battery.

Model	Input	Output	Amps
BS100	12/24 VDC	12/24 VDC	100 A

Battery Monitor Microprocessor controlled

The battery watch is a smart piece of equipment which monitors the status of a battery and displays it in an intelligent way.

BW-01 Battery Watch - intelligent 12V/24V programmable system

24 - 12 VDC Communications

Non Isolated

Model	Input	Output	Amps
SDC-5	20-32 VDC	13.8 VDC	5 A
SDC-8	20-32 VDC	13.8 VDC	8 A
SDC-12	20-32 VDC	13.8 VDC	12 A
SDC-15	20-30 VDC	13.8 VDC	12 A
SDC-23	20-30 VDC	13.8 VDC	20 A
SDC-20	20-30 VDC	13.8 VDC	15 A, Class 1, Div. 2
SDC-30	20-32 VDC	13.8 VDC	30 A
SDC-60	20-35 VDC	13.8 VDC	60 A
IDC-03	10-35 VDC	12.6 VDC	3A @18V, 1.5A @10V

12 - 12 VDC Stabilization

Isolated

Model	Input	Output	Amps
IDC-100A-12	9-18 VDC	12.5 VDC	8 A
IDC-200A-12	9-18 VDC	12.5 VDC	16 A
IDC-360A-12	9-18 VDC	12.5 VDC	30 A

24 - 12 VDC Communications

Isolated

Model	Input	Output	Amps
IDC-100B-12	20-35 VDC	12.5 VDC	8 A
IDC-200B-12	20-35 VDC	12.5 VDC	16 A
IDC-360B-12	20-35 VDC	12.5 VDC	30 A

48 - 12 VDC Telecom/Marine

Isolated

Model	Input	Output	Amps
IDC-100C-12	30-60 VDC	12.5 VDC	8 A
IDC-200C-12	30-60 VDC	12.5 VDC	16 A
IDC-360C-12	30-60 VDC	12.5 VDC	30 A

72 - 12 VDC Railroad

Isolated

Model	Input	Output	Amps
IDC-100D-12	60-120 VDC	12.5 VDC	8 A
IDC-200D-12	60-120 VDC	12.5 VDC	16 A
IDC-360D-12	60-120 VDC	12.5 VDC	30 A

24 - 24 VDC Stabilization

Isolated

Model	Input	Output	Amps
IDC-100B-24	20-35 VDC	24.5 VDC	4 A
IDC-200B-24	20-35 VDC	24.5 VDC	8 A
IDC-360B-24	20-35 VDC	24.5 VDC	15 A

48 - 24 VDC Telecom/Marine

Isolated

Model	Input	Output	Amps
IDC-100C-24	30-60 VDC	24.5 VDC	4 A
IDC-200C-24	30-60 VDC	24.5 VDC	8 A
IDC-360C-24	30-60 VDC	24.5 VDC	15 A

72 - 24 VDC Railroad

Isolated

Model	Input	Output	Amps
IDC-100D-24	60-120 VDC	24.5 VDC	4 A
IDC-200D-24	60-120 VDC	24.5 VDC	8 A
IDC-360D-24	60-120 VDC	24.5 VDC	15 A

12 - 24 VDC Step Up

Isolated

Model	Input	Output	Amps
IDC-100A-24	9-18 VDC	24.5 VDC	4 A
IDC-200A-24	9-18 VDC	24.5 VDC	8 A
IDC-360A-24	9-18 VDC	24.5 VDC	15 A

12 - 24 VDC Step Up

Non Isolated - Mil Spec

Model	Input	Output	Amps
VTC120-12-24	11-15 VDC	24 VDC	5 A
VTC305-12-24	10.5-28 VDC	24 VDC	*12-27 A
VTC605-12-24	10.5-28 VDC	24 VDC	*20-45 A

12 - 24 VDC Step Up

Non Isolated

Model	Input	Output	Amps
Step 7	9-18 VDC	24 VDC	7 A
Step 10	9-18 VDC	24 VDC	10 A

Isolated 15 Watts

Single Output

Model	Input	Output	Amps
SD-15A-5	9.2~18 VDC	5 VDC	0~3.0 A
SD-15A-12	9.2~18 VDC	12 VDC	0~1.25 A
SD-15A-24	9.2~18 VDC	24 VDC	0~0.625 A
SD-15B-5	18~36 VDC	5 VDC	0~3.0 A
SD-15B-12	18~36 VDC	12 VDC	0~1.25 A
SD-15B-24	18~36 VDC	24 VDC	0~0.625 A
SD-15C-5	36~72 VDC	5 VDC	0~3.0 A
SD-15C-12	36~72 VDC	12 VDC	0~1.25 A
SD-15C-24	36~72 VDC	24 VDC	0~0.625 A

Isolated 25 Watts

Single Output

Model	Input	Output	Amps
SD-25A-5	9.2~18 VDC	5 VDC	0~5.0 A
SD-25A-12	9.2~18 VDC	12 VDC	0~2.1 A
SD-25A-24	9.2~18 VDC	24 VDC	0~1.1 A
SD-25B-5	19~36 VDC	5 VDC	0~5.0 A
SD-25B-12	19~36 VDC	12 VDC	0~2.1 A
SD-25B-24	19~36 VDC	24 VDC	0~1.1 A
SD-25C-5	36~72 VDC	5 VDC	0~5.0 A
SD-25C-12	36~72 VDC	12 VDC	0~2.1 A
SD-25C-24	36~72 VDC	24 VDC	0~1.1 A

Isolated 50 Watts

Single Output

Model	Input	Output	Amps
SD-50A-5	9.2~18VDC	5VDC	0~10 A
SD-50A-12	9.2~18VDC	12VDC	0~4.2 A
SD-50A-24	9.2~18VDC	24VDC	0~2.1 A
SD-50B-5	19~36VDC	5VDC	0~10 A
SD-50B-12	19~36VDC	12VDC	0~4.2 A
SD-50B-24	19~36VDC	24VDC	0~2.1 A
SD-50C-5	36~72VDC	5VDC	0~10 A
SD-50C-12	36~72VDC	12VDC	0~4.2 A
SD-50C-24	36~72VDC	24VDC	0~2.1 A

Isolated 100 Watts

Single Output

Model	Input	Output	Amps
SD-100B-5	19~36 VDC	5 VDC	0~20 A
SD-100B-12	19~36 VDC	12 VDC	0~8.5 A
SD-100B-24	19~36 VDC	24 VDC	0~4.2 A
SD-100C-5	36~72 VDC	5 VDC	0~20 A
SD-100C-12	36~72 VDC	12 VDC	0~8.5 A
SD-100C-24	36~72 VDC	24 VDC	0~4.2 A
SD-100D-5	72~144 VDC	5 VDC	0~20 A
SD-100D-12	72~144 VDC	12 VDC	0~8.5 A
SD-100D-24	72~144 VDC	24 VDC	0~4.2 A

Isolated 150 Watts

Single Output

Model	Input	Output	Amps
SD-150B-12	19~36 VDC	12 VDC	0~12.5 A
SD-150B-24	19~36 VDC	24 VDC	0~6.3 A
SD-150C-12	36~72 VDC	12 VDC	0~12.5 A
SD-150C-24	36~72 VDC	24 VDC	0~6.3 A
SD-150D-12	72~144 VDC	12 VDC	0~12.5 A
SD-150D-24	72~144 VDC	24 VDC	0~6.3 A

Isolated 200 Watts

Single Output

Model	Input	Output	Amps
SD-200B-5	19~36 VDC	5 VDC	0~34.0 A
SD-200B-12	19~36 VDC	12 VDC	0~16.7 A
SD-200B-24	19~36 VDC	24 VDC	0~8.40 A
SD-200B-48	19~36 VDC	48 VDC	0~4.20 A
SD-200C-5	36~72 VDC	5 VDC	0~40.0 A
SD-200C-12	36~72 VDC	12 VDC	0~16.7 A
SD-200C-24	36~72 VDC	24 VDC	0~8.40 A
SD-200C-48	36~72 VDC	48 VDC	0~4.20 A
SD-200D-5	72~144 VDC	5 VDC	0~40.0 A
SD-200D-12	72~144 VDC	12 VDC	0~16.7 A
SD-200D-24	72~144 VDC	24 VDC	0~8.40 A
SD-200D-48	72~144 VDC	48 VDC	0~4.20 A

Isolated 350 Watts

Single Output

Model	Input	Output	Amps
SD-350B-5	19~36 VDC	5 VDC	0~57.0 A
SD-350B-12	19~36 VDC	12 VDC	0~27.5 A
SD-350B-24	19~36 VDC	24 VDC	0~14.6 A
SD-350B-48	19~36 VDC	48 VDC	0~7.30 A
SD-350C-5	36~72 VDC	5 VDC	0~60.0 A
SD-350C-12	36~72 VDC	12 VDC	0~27.5 A
SD-350C-24	36~72 VDC	24 VDC	0~14.6 A
SD-350C-48	36~72 VDC	48 VDC	0~7.30 A
SD-350D-5	72~144 VDC	5 VDC	0~60.0 A
SD-350D-12	72~144 VDC	12 VDC	0~29.2 A
SD-350D-24	72~144 VDC	24 VDC	0~14.6 A
SD-350D-48	72~144 VDC	48 VDC	0~7.30 A

Isolated 500 Watts

Single Output

SD-500L-12	19~72 VDC	12 VDC	0~40 A
SD-500L-24	19~72 VDC	24 VDC	0~21 A
SD-500L-48	19~72 VDC	48 VDC	0~10.5 A
SD-500H-12	72~144 VDC	12 VDC	0~40 A
SD-500H-24	72~144 VDC	24 VDC	0~21 A
SD-500H-48	72~144 VDC	48 VDC	0~10.5 A

2009

SAMLEX SOLAR®

Ordering Information

USA orders shipped from Kent, WA, 98032. Maximum 2 day turn around.
Canadian orders shipped from Coquitlam, BC, V3K-6V2. Maximum 2 day turn around.
Minimum Order $200.00.
Drop ship orders (min. $200) to your customers at no additional charge.
Fax orders toll-free to Canadian Corporate office @ 1-888-814-5210.
Local numbers: Phone (604) 525-3836, Fax: (604) 525-5221.

Warranty

Products manufactured by Samlex America, Inc. (the "Warrantor") are warranted to be free from defects in workmanship and materials under normal use and service. This warranty is in effect from the date of purchase by the user (the "Purchaser").
All new items purchased have a minimum 2 year warranty.

For a warranty claim, please contact Samlex America to obtain a Return Authorization Number.

The defective part or unit should be returned at the Purchaser's expense to the authorized location: normally this is the place of purchase. A written statement describing the nature of the defect, the date of purchase, the place of purchase, and the Purchaser's name, address and telephone number should be included.

The equipment will be repaired or replaced at the Warrantor's option without charge, and returned to the Purchaser at the Warrantor's expense.

No refund of the purchase price will be granted to the Purchaser, unless the Warrantor is unable to remedy the defect after having a reasonable number of opportunities to do so.

No other express warranty is hereby given and there are no warranties which extend beyond those described herein. This warranty is expressly in lieu of any other expressed or implied warranties, including any implied warranty of merchantability, fitness.

There shall be no responsibility or liability whatsoever on the part of the Warrantor or its employees and representatives for injury to any persons, or damage to person or persons, or damage to property, or loss of income or profit, or any other consequences.

The Warrantor assumes no liability for incidental or consequential damages of any kind.

Industry Partners

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888-840-7191

DC Power Systems
800-967-6917

Kyocera Solar
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Power Up Solar
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Talley
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TESSCO
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